NC/QC/DD-ST/2017-18/PCC2 **Date: 28-02-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	59.30	0 -20	30- 70
10mm	33.05	0 -5	10- 35
4.75mm	4.25	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.20	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.65	60-95	75-100	85-100	
01.18	63.05	30-70	55-90	75-100	
600.mic	49.20	15-34	35-59	60-79	
300.mic	15.95	5-20	8-30	12-40	
150.mic	7.85	0-10	0-10	0-10	

*As Furnished by Client.
The Results relate only to the items tested.

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For Newzen Consultants Bangalore

Proprietor

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NC/QC/DD-ST/2017-18/-FA1

Date: 02-03-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.80**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.35**	60-95	75-100	85-100	
01.18	**64.95**	30-70	55-90	75-100	
600. mic	**47.10**	15.34	35-59	60-79	
300.mic	**20.80**	5-20	8-30	12-40	
150.mic	**8.05**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.95 %**	-----
2	Silt Content	----	**0.61 %**	Not more than 8%
3	Specific Gravity	----	**2.69**	-------

*As Furnished by Client.
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/DD-ST/2017-18/S1 **Date: 05-03-2018**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 & 12 mm **TMT Steel.**
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0mm**	12.0mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567	**0.893**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**542.0**	500.0	**538.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.30**	12.00	**21.10**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**646.0**	545.0	**633.0**	545.0

*As furnished by Client.
The Results relate only to the items tested.

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NC/QC/DD-ST/2017-18/CB1 Date: 15-03-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-03-18	15-03-18	07	22500	390	17.33	**16.67**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	370	16.44	

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/DD-ST/2017-18/CB4 Date: 22-03-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-03-18	22-03-18	07	22500	380	16.89	**16.52**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	370	16.44	

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/DD-ST/2018-19/CB1A **Date: 05-04-2018**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Development of roads and drains in Ward No 12 Shettyhalli, in ShettyhalliSub-division.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. B. Muniraju, Bengaluru.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-03-18	05-04-18	28	22500	500	22.22	22.74
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	520	23.11	

*As Furnished by Client.
The Results relate only to the items tested.

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